

REMARKS

Remarks concerning amendments to specification

A minor unintentional error in the specification was corrected. No new matter is added.

Remarks concerning amendments to claims

Claims 2-7, 9, 11-13, 17-24, 26, and 28-30 stand in their original form. Claims 8, 10, 25, and 27 are canceled. Claims 1, 14-16, 31, and 32 are amended.

Response to rejections

In the most recent Action claims 1-32 were rejected under 35 USC 112, second paragraph. The Applicant is amending independent claims 1 and 16 in a good faith attempt to clarify the claims with respect to all the phrases indicated in the Action to be indefinite. Applicant also is amending dependent claims 14, 15, 31, and 32 to conform with the changes made in independent claims 1 and 16.

Claims 1-6, 11-16, 19-23, and 28-32 were rejected under 35 USC 102(b) as being anticipated by Goldberg et al (US Pat No 5,909,306, hereinafter "Goldberg"). Claims 1 and 16 are amended to highlight the differences between their content and that of Goldberg. Dependent claims 14, 15, 31, and 32 are also amended to conform with the changes made to independent claims 1 and 16.

The Applicant's claims comprise a passively Q-switched laser. In contrast, Goldberg teaches an actively Q-switched laser. Goldberg, therefore, does not teach the claimed limitation of a passively Q-switched laser. Moreover, the Applicant's claims comprise a Q-switched laser whose output (i.e., a pulsed primary beam) is coupled into a fiber amplifier located outside of the cavity of the passively Q-switched laser. In contrast, Goldberg teaches a fiber amplifier housed within the laser cavity, and is actually an active component of the Q-switched laser. Accordingly, the fiber amplifier taught by Goldberg cannot receive a pulsed beam generated by the Q-switched laser and coupled into the fiber from an output of the laser, as recited in the Applicant's

claims. Therefore, the Applicant respectfully submits that the Examiner's rejection of the claims as anticipated by Goldberg has been overcome. Moreover, it is noted that Goldberg nowhere teaches or suggests the desirability of the claimed light source or display system including all the specific limitations and their particular combinations.

Claims 7-10 and 24-27 were rejected under 35 USC 103(a) as being unpatentable over Goldberg in view of Galvanauskas et al (US Pat No 6,208,458, hereinafter "Glavanauskas"). Insofar as the rejection was based upon the application of Goldberg in the 35 USC 102(b) rejection, the amendments to the claims discussed above render the claims as amended distinct from Goldberg. Therefore, the combination of Goldberg and Galvanauskas as presented in the Action does not teach the claimed invention.

Claims 17-18 were rejected under 35 USC 103(a) as being unpatentable over Goldberg in view of Flint (US 2002/0060753, hereinafter "Flint"). Insofar as the rejection was based upon the application of Goldberg in the 35 USC 102(b) rejection, the amendments to the claims discussed above render the claims as amended distinct from Goldberg. Therefore, the combination of Goldberg and Flint as presented in the Action does not teach the claimed invention.

Moreover, the limitations of claims 8 and 10 are incorporated into amended claim 1. Similarly, the limitations of claims 25 and 27 are incorporated into amended claim 16. The claims now recite that the passively Q-switched laser generates said pulsed primary beam with a duty cycle ranging from .01% to 1% and a pulse repetition rate of at least 100 kHz. Nowhere in the references of record are these specific limitations taught or suggested. In addition, the limitation is added that the nonlinear element frequency converts the pulsed intermediate beam in a single pass by second harmonic generation. The references of record do not teach, either alone or in combination with each other, a light source or display system with all the claimed limitations.

In view of the above, the claims as amended are clearly patentable over the references of record. Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

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BY

A handwritten signature in black ink, reading "Thomas J. McFarlane". The signature is written in a cursive style with a large, stylized 'M' and 'F'.

Thomas J. McFarlane

Reg. No 39,299